

13 the embedded processor further being programmable to send the  
14 manageability information to the media access controller for  
15 transmission over the computer network;  
16 whereby the chip performs network management functions  
17 independent of the host processor.

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1 23. (Amended) A system comprising:  
2 a computer network;  
3 a network device including a host processor and a chip, the chip  
4 including  
5 a media access controller coupled to the computer network,  
6 and  
7 an embedded processor coupled to the media access  
8 controller and programmed to function as an HTTP manageability web  
9 server; and  
10 a network manager coupled to the computer network, the network  
11 manager including a web browser and a plurality of HTML files for  
12 instructing the network manager to communicate with the embedded  
13 processor in the network device and perform network management of the  
14 network device;  
15 whereby the embedded processor can communicate with the  
16 network manager independent of the host processor.

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1 31. (Amended) A method of managing a network device including  
2 a host processor, an I<sup>2</sup>C bus, and an I<sup>2</sup>C-compliant device coupled to the  
3 I<sup>2</sup>C bus, the method comprising the steps of:

4 using [the] a media access [control] controller to receive network  
5 manageability information requests from [the] a computer network, the  
6 media access controller communicating with the computer network  
7 independent of the host processor and the I<sup>2</sup>C-compliant device;  
8 in response to received requests about the I<sup>2</sup>C -compliant device,  
9 using the I<sup>2</sup>C bus to obtain network manageability information about the  
10 I<sup>2</sup>C-compliant device connected to the I<sup>2</sup>C bus; and  
11 using the media access controller to place the manageability  
12 information on the computer network.

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1 33. (Amended) The method of claim 31, further comprising the step  
2 of using the media access controller to receive control requests on the  
3 computer network; and using the I<sup>2</sup>C bus to control the I<sup>2</sup>C-compliant  
4 device in response to the control requests.

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